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October 11, 2005

VIA FEDERAL EXPRESS

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October 12, 2005 (3:18pm)

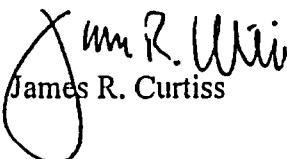
OFFICE OF SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

Re: In the Matter of LOUISIANA ENERGY SERVICES, L.P. (National
Enrichment Facility) Docket No. 70-3103-ML

Dear Administrative Judges:

Enclosed are copies of the exhibits referenced in LES' Prefiled Rebuttal
Testimony. Please note that Exhibit 110 is PROPRIETARY. If you should have any questions
regarding any of these exhibits, please contact me.

Yours sincerely,


James R. Curtiss

Enclosures

cc: Lisa Clark (w/enclosures)
Lindsay Lovejoy, Jr. (w/enclosures)
Office of the Secretary

DC:438032.1

Template = SECY-028

SECY-02

Louisiana Energy Services, L.P. Docket No. 70-3103-ML
October 2005 Evidentiary Hearing on Contested Issues

LES Hearing Exhibits

LES Exh. #	Witness/ Panel	Description
110	Transportation	10-6-05 Letter to Rod Krich from Rod Fisk, TLI, re cost figures PROPRIETARY
111	Disposal	2-27-87 Federal Register Notice, 52 FR 5992, 10 CFR Part 60, Advanced notice of proposed rulemaking
112	Disposal	NUREG-0945, Vol. 1, Final Environmental Impact Statement on 10 CFR Part 61 "Licensing Requirements for Land Disposal of Radioactive Waste," Nov. 1982
113	Disposal	DOE Response to Comments, re disposal (Depleted UF ₆ Final PEIS, p. 3-171)
114	Disposal	DOE Response to Comments, re disposal (Depleted UF ₆ Final PEIS, p. 3-142)

3 DOE RESPONSE TO COMMENTS

3.1 INDEX TO DOE RESPONSE TO COMMENTS

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waste and disposal as LLW. Currently there are no known uses for the MgF₂ that would be produced if the use as metal alternative were to be selected; it is therefore assumed that this MgF₂ would require disposal either as nonhazardous solid waste or as LLW. Brief discussions of the market for anhydrous HF and historical industrial experience showing that if produced, it could be purified to contain less than 1 ppm uranium, are provided in Sections 2.3.3 and F.2.1 of the PEIS. Text has been added to Sections S.4.8 and 2.4.8 to clarify the assumption made in the PEIS that if HF were produced, it would be sold for use subject to appropriate review and approval by the U.S. NRC or DOE.

The PEIS assumes that any depleted uranium oxide disposed of would be classified as LLW. The evaluation of disposal options in the PEIS considered disposal in representative facilities which could be used for the disposal of LLW, including shallow earthen structures, vaults, and mines. Because the PEIS is not intended to identify sites for future management activities, the potential impacts of the disposal options were evaluated using generic environmental settings, and considered both "wet" and "dry" sites. The characteristics of these settings were selected to provide as substantive an assessment as possible and to allow for a comprehensive comparison of the alternatives. After the Record of Decision for the PEIS, potential facility locations would be evaluated and appropriate site-specific analyses for any required facilities would be conducted.

The detailed analysis presented for disposal in the PEIS does indicate that the dose to a hypothetical receptor from contaminated groundwater would exceed regulatory limits for a disposal facility in a "wet" environment for all three disposal options considered, including disposal in a mine. However, the analysis also indicates that groundwater impacts would be less than regulatory limits for a disposal facility located in a "dry" environment, including shallow earthen structures and vaults. (These results are summarized in Section 2.4.5 and presented in detail in Section I.4 of Appendix I). It must be stressed, as noted in Appendix I, that the disposal calculations are subject to a great deal of uncertainty and would depend greatly on the specific disposal facility design and site-specific factors, such as soil characteristics, water infiltration rates, depth to groundwater, and the chemical characteristics of uranium and the soil beneath the disposal facility. Such factors would be considered during site selection, facility design, performance assessment, and licensing activities if disposal were required. Rather than cite regulatory agency positions that may not be applicable to the disposal of depleted uranium oxide in the summary of potential waste impacts, text has been added to Sections S.4.5 and 2.4.5 (Water and Soil Impacts) detailing some of the uncertainties of the non-site-specific analysis for disposal, and stating that if disposal were implemented in the future, all disposal activities would take place in accordance with applicable rules and regulations for disposal of LLW (regardless of whether shallow earthen structures, vaults, or mines were the chosen disposal option).

Cumulative impacts were evaluated in the PEIS only for components of the alternatives for which the locations of the actions were already known (i.e., continued cylinder storage and cylinder preparation for shipment). The cumulative impacts of these components are described in Section